



# NCI™ GLOBAL

A CAS SOLUTION

**JAICI**  
化学情報協会



**CAS**

A DIVISION OF THE AMERICAN CHEMICAL SOCIETY

## NCI Global とは？

CAS 登録番号を管理する CAS (Chemical Abstracts Service) が作成した化学物質規制情報検索ツール

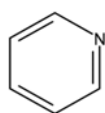


世界中の物質規制情報をオンラインで調査可能！

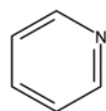
## CAS 登録番号とは？

化学物質を特定する番号で、  
1つの物質に対して1つだけ割り当てられる

110-86-1

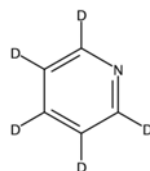


628-13-7

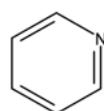


• HCl

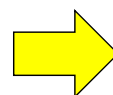
7291-22-7



17861-77-7



• H<sub>2</sub>O



すべて異なる  
CAS 登録番号が  
付与されている

情報が正確でないと、規制情報を見逃すリスクも！

## NCI Global の利用想定シーン

各国の化学物質の規制に関する情報が必要な際

例) 化学物質の

製造, 輸出入, 輸送, 販売

の際など

## 目次

- ・ NCI Global の概要
  - 収録内容
  - レコード例
  - ご利用体系
- ・ NCI Global の利用例

## 収録内容

(2016 年 10 月現在)

- ・ **約 150** の化学物質規制情報
- ・ **主要 11 ヶ国, 16 種の既存化学物質リスト**
- ・ 収録件数 : 約 345,000 件 (物質数)
- ・ 更新頻度 : **毎週**
- ・ 製作者 : CAS (STN の CHEMLIST と同様の内容)

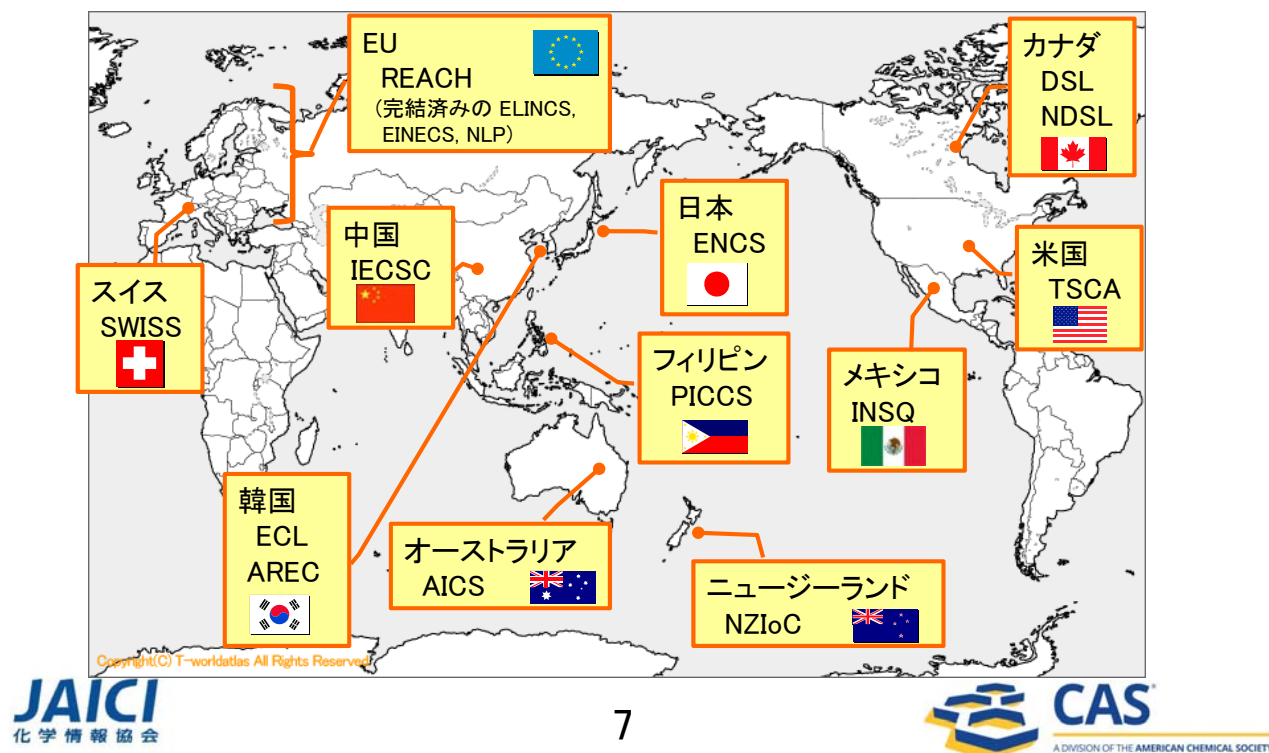
※収録対象の化学物質規制情報

<http://www.cas.org/File%20Library/Products/regulatorylist.pdf>

# 収録内容

(2016年10月現在)

～ 11ヶ国, 16種の既存化学物質リスト～

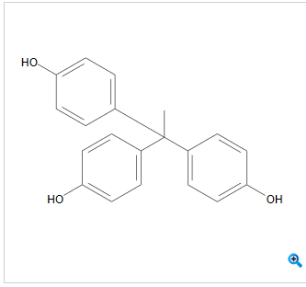


## 各物質レコードの収録内容例

- CAS 登録番号
- 化学構造図
- 各国規制リスト上の登録番号
- CA 索引名, 同義名
- Premanufacture Notification (PMN)
- Harmonized Tariff Codes (HTC)
- Classification, labeling and packaging requirements (CLP) など

# 物質レコードの例

Details	
<b>CAS Registry Number</b> 27955-94-8	<b>CAS 登録番号</b>
<b>Formula</b> C <sub>20</sub> H <sub>18</sub> O <sub>3</sub>	
<b>Inventory Names &amp; Synonyms</b> Phenol, 4,4',4''-ethylidynetris- (IECSC, NDSL, PICCS, REACH, TSCA) <i>p,p',p''</i> -Ethylidynetriphenol (French) (NDSL) 4,4',4''-(ethan-1,1,1-triyl)triphenol (REACH) 4,4',4''-Ethylidynetriphenol (English, French) (ELINCS) Tris( <i>p</i> -hydroxyphenyl)ethane (ELINCS) Tris( <i>para</i> -hydroxyphenyl)ethane (ELINCS) THPE (ELINCS) 4,4',4''-Ethylidynetriphenol (German) (ELINCS) 4,4',4''-Ethylidynetris(phenol) (ENCS) 1,1,1-Tris( <i>p</i> -hydroxyphenyl)ethane (ECL)	<b>物質の同義名</b>
<b>Regulatory List:</b> ECL, ELINCS, ENCS, IECSC, NDSL, PICCS, REACH, TSCA <a href="#">View Glossary</a>	<b>規制リスト</b>
<b>Confidential Business Information:</b> Public	
International & Other Lists	
<b>Harmonized Tariff Code</b> Harmonized Tariff Code: 290729	<b>Harmonized Tariff Codes (HTC)</b>
Details by Country	
<ul style="list-style-type: none"> <li>▼ Canada</li> <li>▼ China</li> <li>▼ European Communities/European Union</li> <li>▼ Japan</li> <li>▼ Korea</li> <li>▼ Philippines</li> </ul>	<b>既存化学物質リスト情報のある国(クリックして展開)</b>



# 物質レコードの例(続き)

Details by Country	
▼ Canada	
▼ China	
▼ European Communities/European Union	
▲ Japan	<b>クリックして展開</b>
<b>Summary</b> <b>Inventory Status On ENCS</b> Japanese Gazette. ENCS Designation: It is required to report the amount after the manufacture of the substance. Contained within class: Low Molecular Carbo-polycyclic Organic Compounds. <b>Regulatory List Number</b> ENCS No. 4-1668	
▼ Korea	<b>化審法番号</b>
▼ Philippines	
▲ United States	
<b>Summary</b> <b>Inventory Status On TSCA</b> January 2015 TSCA Inventory Commencement to manufacture, Fed. Regist. 54 #159:34402 (18 Aug 1989). <b>EPA Flags:</b> P Commenced PMN <b>Regulatory List Number</b> EPA No. P 87-511	
▲ U.S. Environmental Protection Agency (EPA) Regulations - Toxic Substances Control Act (TSCA)	
<b>Premanufacture Notice</b> P 87-511 Fed. Regist. 52 #28:4381 (11 Feb 1987) Receipt of premanufacture notice. Use: industrial crosslinking agent for polymers, intermediate/hardener for epoxies and intermediate for synthesis of other chemicals. Results from the	

## ご利用体系

- 年間定額でのご契約
  - ご契約は各企業のサイト(同一市内)単位が基本です
  - お見積はご利用人数に応じてご提案いたします
- Web ブラウザからのご利用
  - ソフトウェアのインストールは不要です
- ご利用は IP アドレスにより制限
  - ID, PW の入力等は不要です

## 検索機能

- 物質情報からの検索  
完全名称, 部分名称, 分子式,  
CAS 登録番号, 成分 CAS 登録番号 など
- 規制リスト情報からの検索  
既存化学物質リスト名, 規制リスト番号 など
- アラート検索機能

# 利用例1

“Pigment Red 254” には日本の化審法の規制がかかっているか調査したい。

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Home | Quick Reference Guide | Glossary | Help

Q Search

Substance

Pigment Red 254

Substance is a component

Enter One: CAS Registry Number, Chemical Name, Molecular Formula, Regulatory List Identifier, or Substance / UVCB Description.

AND Regulatory List

ENCS EXISTING AND NEW CHEMICAL SUBSTANCES

To search more than one Regulatory List use the Add Search Criteria.  
[View Glossary](#)

+ Add Search Criteria

Search

物質の名称を入力

化審法“ENCS”を選択

検索

# 利用例1

Results (1 to 1 of 1 displayed)

Select All 0 of 1 Selected Print/Export Sort By: Relevance

1 件ヒット

1. CAS Registry Number: 84632-65-5  
Formula: C<sub>18</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>  
Inventory Names & Synonyms:  
Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydro- (DSL,IECSC,NZIoC,PICCS,REACH,TSCA)  
3,6-Bis(*p*-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione (DSL)  
3,6-bis(4-chlorophenyl)-1H,2H,4H,5H-pyrrolo[3,4-c]pyrrole-1,4-dione (REACH)  
CROMOPHTAL DPP RED BP (ELINCS,REACH)  
CROMOPHTAL DPP RED BP, Pigment Red 254, 3,6-bis(4-chlorophenyl)-1H,2H,4H,5H-pyrrolo[3,4-c]pyrrole-1,4-dione,  
3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrol-1,4-dione (REACH)  
3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione (ENCS,REACH)  
Rouge Irgazine DPP BO (ELINCS)  
Cromophthal DPP Red BO (ELINCS)  
Irgazin DPP rood BO (ELINCS)  
Rosso Irgazin DPP BO (ELINCS)  
[View all 71](#)  
Regulatory Lists: ENCS, AICS, DSL, ECL, ELINCS, FDA, HTC, IECSC, NZIoC, PICCS, REACH, SWISS, TSCA [View Glossary](#)  
Confidential Business Information: Public  
[View Details](#)

化審法に収載あり

詳細情報へ

O=C1NC(=O)C2=C(C=C1)C(=O)N(C2)c3ccc(Cl)cc3

化審法の規制に収載があることがわかった

## 利用例1(補足)

Q Search

Substance

AND Substance

+Add Search Criteria

ヒット部分がハイライト

部分名称を入力

6. CAS Registry Number: 84632-65-5  
Formula:  $C_{18}H_{10}Cl_2N_2O_2$   
Inventory Names & Synonyms:  
Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydro- (DSL,IECSC,NZIoC,PICCS,REACH,TSCA)  
3,6-Bis(p-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione (DSL)  
3,6-bis(4-chlorophenyl)-1H,2H,4H,5H-pyrrolo[3,4-c]pyrrole-1,4-dione (REACH)  
CROMOPHTAL DPP Red BP (ELINCS,REACH)  
CROMOPHTAL DPP Red BP, Pigment Red 254, 3,6-bis(4-chlorophenyl)-1H,2H,4H,5H-pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione (REACH)  
3,6-bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione (ENCS,REACH)  
Rouge Irgazine DPP BO (ELINCS)  
Cromophthal DPP Red BO (ELINCS)  
Irgazin DPP rood BO (ELINCS)  
Rosso Irgazin DPP BO (ELINCS)  
[View all 71](#)  
Regulatory Lists: AICS, DSL, ECL, ELINCS, ENCS, FDA, HTC, IECSC, NZIoC, PICCS, REACH, SWISS, TSCA [View Glossary](#)  
Confidential Business Information: Public

部分名称からでも検索可能

## 利用例2

自社で製造しているポリマーがどの国の  
既存化学物質リストに載っているか調査したい

Q Search

Substance   Substance is a component

+Add Search Criteria

CAS 登録番号から検索

Results (1 to 1 of 1 displayed)

Select All 0 of 1 Selected  Sort By: Relevance

1. CAS Registry Number: 166441-77-6  
Formula:  $(C_{12}H_{24}O_2Si \cdot C_8H_{10}O_3 \cdot C_9H_8O_2)_x$   
Inventory Names & Synonyms:  
Triisopropylsilyl 2-propenoate polymer with methyl 2-methyl-2-propenoate and 2-methoxyethyl 2-propenoate (IECSC)  
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-methoxyethyl 2-propenoate and tri(1-methylethyl)silyl 2-propenoate (NZIoC,REACH)

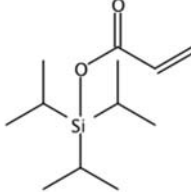


## 利用例2

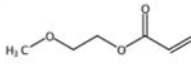
Details by Country	
<p><b>China</b></p> <p><b>Summary</b> Inventory Status On IECSC Inventory of Existing Chemical Substances in China, 2013 <b>Regulatory List Number</b> IECSC Serial No.: 1528</p>	中国 (IECSC)
<p><b>European Communities/European Union</b></p> <p><b>Summary</b> Inventory Status On REACH List of Pre-Registered Substances, March 2009 Registration Date: 31-MAY-2018. <b>Regulatory List Number</b> EC No.: 605-442-3</p>	EU (REACH)
<p><b>New Zealand</b></p> <p><b>Summary</b> Inventory Status On NZIoC New Zealand Inventory of Chemicals, 2006 May be used as a component in a product covered by a group standard but it is not approved.</p>	ニュージーランド (NZIoC)
<p><b>South Korea</b></p> <p><b>Summary</b> Inventory Status On ECL Korean Government Gazette Notice, 2014 <b>Inventory Status On AREC</b> Korean Government Gazette Notice, 2016 <b>Regulatory List Number</b> ECL Serial No.: 2004-3-2882 AREC Serial No.: 2004-3-2882</p>	韓国 (ECL) 韓国 (AREC)

**CAS Registry Number**  
166441-77-6  
**Formula**  
(C<sub>12</sub>H<sub>24</sub>O<sub>2</sub>Si · C<sub>6</sub>H<sub>10</sub>O<sub>3</sub> · C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>)<sub>x</sub>

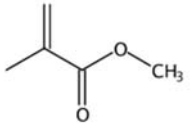
157859-20-6  
C<sub>12</sub> H<sub>24</sub> O<sub>2</sub> Si



3121-61-7  
C<sub>6</sub> H<sub>10</sub> O<sub>3</sub>



80-62-6  
C<sub>5</sub> H<sub>8</sub> O<sub>2</sub>



中国, EU, 韓国, ニュージーランドのリストに収載あり

## 利用例2(補足)




Home | Quick Reference Guide | Glossary | Help

Q Search

Substance   Substance is a component

Enter One: CAS Registry Number, Chemical Name, Molecular Formula, Regulatory List Identifier, or Substance / UVCB Description.

AND Substance   Substance is a component

Enter One: CAS Registry Number, Chemical Name, Molecular Formula, Regulatory List Identifier, or Substance / UVCB Description.

AND Substance   Substance is a component

Enter One: CAS Registry Number, Chemical Name, Molecular Formula, Regulatory List Identifier, or Substance / UVCB Description.

+ Add Search Criteria

Search

構成成分の一部の情報  
の場合, チェックを入れる

ポリマーの場合, 原料モノマー(ポリマーの構成成分)  
の CAS 登録番号からも検索可能

## 利用例3

ジクロロボスの OSHA 等の暴露規制について調査したい

The screenshot shows the CAS NCI Global search interface. At the top, there are logos for NCI GLOBAL and CAS. Below the logos is a search bar with the text 'Dichlorvos' entered. A yellow box labeled '名称から検索' (Search by name) points to the search bar. Below the search bar, there is a list of search results. The first result is highlighted, and a yellow box labeled '詳細情報へ' (View details) points to the 'View Details' button. To the right of the search results, there is a chemical structure diagram of Dichlorvos.

**名称から検索**

Substance: Dichlorvos

**2. CAS Registry Number: 62-73-7**

Formula:  $C_4H_7Cl_2O_4P$

**Inventory Names & Synonyms:**

- Phosphoric acid, 2,2-dichloroethenyl dimethyl ester (AICS,DSL,INSQ,NZIoC,PICCS,SWISS,TSCA)
- O,O-Dimethyl-O-(2,2-dichlorovinyl)phosphate (IECSC)
- Dichlorvos** (DSL,ECL,EINECS,REACH,SWISS)
- diclorvos (EINECS)
- 2,2-Dichlorovinyl dimethyl phosphate (ENCS)
- DDVP (ENCS)
- Dichlorvos (ENCS,PICCS)
- Phosphoric acid 2,2-dichloroethenyl dimethyl ester (ECL,PICCS)
- DICHLOROVINYL DIMETHYL PHOSPHATE (PICCS)
- DIMETHYL PHOSPHATE, 2,2-DICHLOROVINYL (PICCS)

[View all 89](#)

**Regulatory Lists:** ACGIH, AICS, CAA, CERCLA, CLP, CWA, DOT, DSL, ECL, EINECS, ENCS, FIFRA, HTC, IARC, IECS, INSQ, NIOSH, NTP, NZIoC, OSHA, REACH, RSTR, SARA, STATE, SWISS, TSCA [View Glossary](#)

**Confidential Business Information:** Public

[View Details](#)

**詳細情報へ**

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**CAS**  
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19

## 利用例3

The screenshot shows the regulatory information for Dichlorvos. It is organized into sections: U.S. Environmental Protection Agency (EPA) Regulations - Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA); U.S. Environmental Protection Agency (EPA) Regulations - Superfund Amendment Reauthorization Act (SARA); U.S. Occupational Safety and Health Administration (OSHA) Regulations. Under the OSHA Regulations section, there are three sub-sections: RELS NIOSH Recommended Exposure Limits, OSHA Permissible Exposure Levels, and ACGIH Threshold Limit Values. A yellow box labeled 'NIOSH による暴露限界値' (NIOSH exposure limit) points to the RELS NIOSH Recommended Exposure Limits section. Another yellow box labeled 'OSHA による暴露限界値' (OSHA exposure limit) points to the OSHA Permissible Exposure Levels section.

**U.S. Environmental Protection Agency (EPA) Regulations - Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)**

**U.S. Environmental Protection Agency (EPA) Regulations - Superfund Amendment Reauthorization Act (SARA)**

**U.S. Occupational Safety and Health Administration (OSHA) Regulations**

**RELS NIOSH Recommended Exposure Limits**

DHHS (NIOSH) Publication No. 92-100  
Listed Name(s): DDVP  
Dichlorvos  
REL: 1 mg/m<sup>3</sup> TWA (skin)  
Health Effects: Cholinesterase inhibition.

**OSHA Permissible Exposure Levels**

Code of Federal Regulations 29 CFR 1910.1000 (01 Jul 2002)  
An OSHA permissible exposure limit (PEL) has been set for this substance. The PEL is an 8 hour TWA.  
Limits for air contaminant: 1 mg/m<sup>3</sup>  
Skin designation: X.  
Listed Name(s): Dichlorvos; DDVP.

**ACGIH Threshold Limit Values**

American Conference of Governmental Industrial Hygienists Threshold Limit Values and Biological Exposure Indices for 1999  
Listed Name(s): Dichlorvos  
TWA 0.90 mg/m<sup>3</sup>; skin; Not classifiable as a human carcinogen

**Miscellaneous Regulations or Advisory Lists**

**U.S. State Regulations**

**NIOSH による暴露限界値**

**OSHA による暴露限界値**

NIOSH, OSHA 等の暴露限界値を確認

## 利用例4(アラート検索)

注目している物質の最新情報を継続的に調査したい

The screenshot shows the NCI Global search interface. At the top, there is a search bar with 'Substance' selected and '100-00-5' entered. Below the search bar, there are buttons for '+Add Search Criteria', 'Search', 'Return to Results', 'Print/Export', and 'Create Alert'. The 'Create Alert' button is highlighted with a red box and labeled 'アラートの設定' (Alert Settings). The 'Details' section shows the CAS Registry Number '100-00-5' and the formula 'C6H4ClNO2'. Below this, there is a list of 'Inventory Names & Synonyms' for 1-chloro-4-nitrobenzene. To the right, an example email notification is shown, titled '更新通知メールの例' (Example of Update Notification Email). The email content includes: 'Hello JAICI Taro, NCI Global has identified new results are available for the following Alert(s):' followed by a list of alerts: '100-00-5 Benzene, 1-chloro-4-nitro-' and '71-43-2 Benzene'. The email also states: 'These results are now available on the NCI Global website. To manage your alert(s) please go to our [Alert Management Page](#). This notice is from an automated service. PLEASE DO NOT REPLY TO THIS MESSAGE. Please direct questions about this message to your NCI Global Site Administrator. Please [Contact Us](#) for additional assistance. ? NCI Global. All Rights Reserved.'

更新情報があれば週ごとにメールで通知

各国の化学物質の規制に関する情報が  
必要な際にはぜひご活用ください！

お問い合わせは  
化学情報協会 情報事業部(0120-151-462) まで